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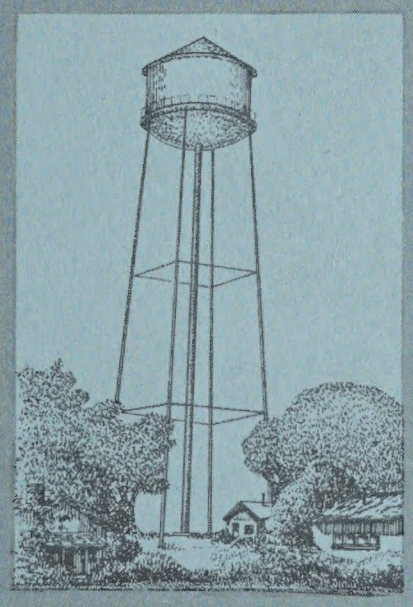
Illinois
Environmental
Protection Agency

Division of Public Water Supplies
2200 Churchill Road
Springfield, Illinois 62706

Groundwater Quality Protection Program

TEUTOPOLIS
FACILITY NUMBER 0490450
WELL SITE SURVEY
REPORT

Division of Public Water Supplies



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IEPA/PWS/90-229

GROUNDWATER QUALITY PROTECTION PROGRAM:

TEUTOPOLIS
FACILITY NUMBER 0490450
WELL SITE SURVEY
REPORT

Prepared by:

Division of Public Water Supplies

Published by:

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INTRODUCTION

This report has been prepared by the Agency pursuant to Section 17.1 of the Illinois Environmental Protection Act. The report summarizes information about your facility and samples collected and analyzed from your well(s). The well site survey provides an inventory of the area around the well(s) to help increase your awareness of potential hazards to groundwater utilized by your facility. This information and technical data will assist you in developing and implementing local groundwater protection measures authorized by the Act.

FACILITY DESCRIPTION AND GEOLOGIC PROFILE OF WELL SITES

The Village of Teutopolis obtains its water from three drift wells. These wells provide an average of 146,)00 gallons per day to 590 services. See Table I for a description of each well. In addition to the wells, water is also purchased from the City of Effingham. The surficial geologic susceptibility rating for Well #1 is C4 and for Wells #2 and #3 is A4. The aquifer is underlain by sandstone and overlain by low permeability till. Permeability is a measure of the ability of a soil or sediment to transmit fluids. A complete description and geologic profile is found in the Facility Wells Report (Appendix D).

Table I

	Minimum Setback (ft.)	Maximum Setback (ft.)	Status	Capacity (gpm) (MGD)	Specific Capacity (gpm/ft.)	Treatment	Aquifer	Well Depth (ft.)	Well Logs Available
Well #1 (47828)	400	No	A	25 0.038		Aer.,Filt., chl.,Fl., Sftng	Sand and Gravel	74	
Well #2 (47829)	400	No	A	40 0.055		Same	Same	31	Yes
Well #3 (47830)	400	No	A	40 0.057		Same	Same		

A - Active

GROUNDWATER SAMPLING AND MONITORING HISTORY

Teutopolis Wells #1, #2 and #3 were sampled on August 19, 1987 as part of a Statewide Groundwater Monitoring Program. The samples were analyzed for inorganic chemicals (IOC) and volatile organic/aromatic compounds (VOC/VOA). In addition, Well #2 was sampled for synthetic organic pesticides (SOC).

SOC analyses did not detect any pesticides/herbicides. IOC analyses indicate that most parameters are consistent with other sand and gravel aquifers in Illinois. VOC/VOA analyses did not detect quantifiable levels of any organic compounds (Appendix E).

WELL SITE SURVEY METHODS AND PROCEDURES

The detailed well site survey consists of an aerial photographic map and inventory sheets (Appendix B), that relate information about potential sources, routes, and possible problem sites to your water supply wells. The location of potential sources, routes, possible problem sites, water wells minimum setback zones and the 1,000 foot survey area are all displayed on the aerial photographic map.

The first page of each survey consists of a summary description and geologic profile for each well. The second and following pages of the survey inventory units within and bordering a 1,000 foot radius of the wellhead. A unit is defined as any device, mechanism, equipment, or area (exclusive of land utilized only for agricultural production). The Agency 5-digit well number is associated with a unit or map code, and then classified. The classification codes relate to definitions of potential contamination sources and routes as defined in the Illinois Groundwater Protection Act (see Groundwater Primer pages 18-19). The distance and direction of the unit from the wellhead is also indicated.

Survey Results and Findings

The Teutopolis well site survey was conducted on August 15, 1990 by Wade Boring from the Agency's Springfield Office. The following describes the results and findings for the Teutopolis public water wells.

Teutopolis Well #1 (IEPA #47828)

The survey area is mostly rural. The area is a mixture of row crops, residential and commercial. There are three possible problem sites within 1,500 feet of Well #1. They are Weber Bros. Hardware (map code 1) 1420 ft NW, Thoele Cabinet Co. (map code 2) 1,100 ft NW, and Hoelscher's Service (map code 3) 1,450 ft WSW.

Teutopolis Wells #2 and #3 (IEPA #47829, 47830)

The survey area is rural. The area is predominantly row crops. There were no potential sources of contamination observed within 1,500 feet of Wells #2 or #3.

SUMMARY

The well site survey conducted indicates that there are potential sources/sites that could pose a hazard to groundwater utilized by Teutopolis Well #1. No potential sources/sites were observed within 1,500 feet of Well #2 or Well #3.

The Illinois Environmental Protection Act provides minimum protection zones for your wells. These minimum protection zones are regulated by the IEPA. The Act also authorizes county and municipal officials the opportunity to provide maximum protection zones up to 1,000 feet. The responsibility for the controls would then be assumed by local officials through adoption of a maximum setback zone ordinance.

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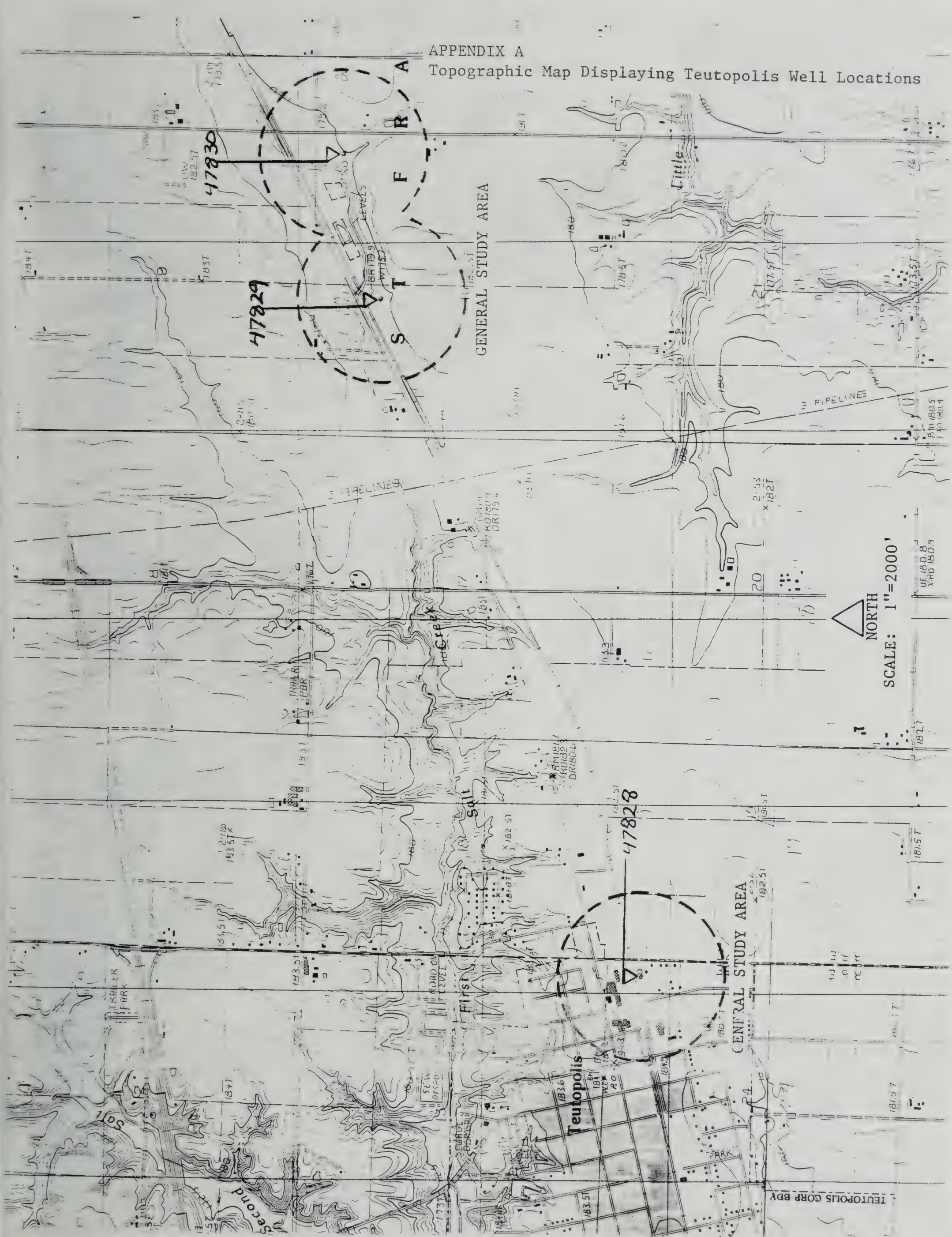
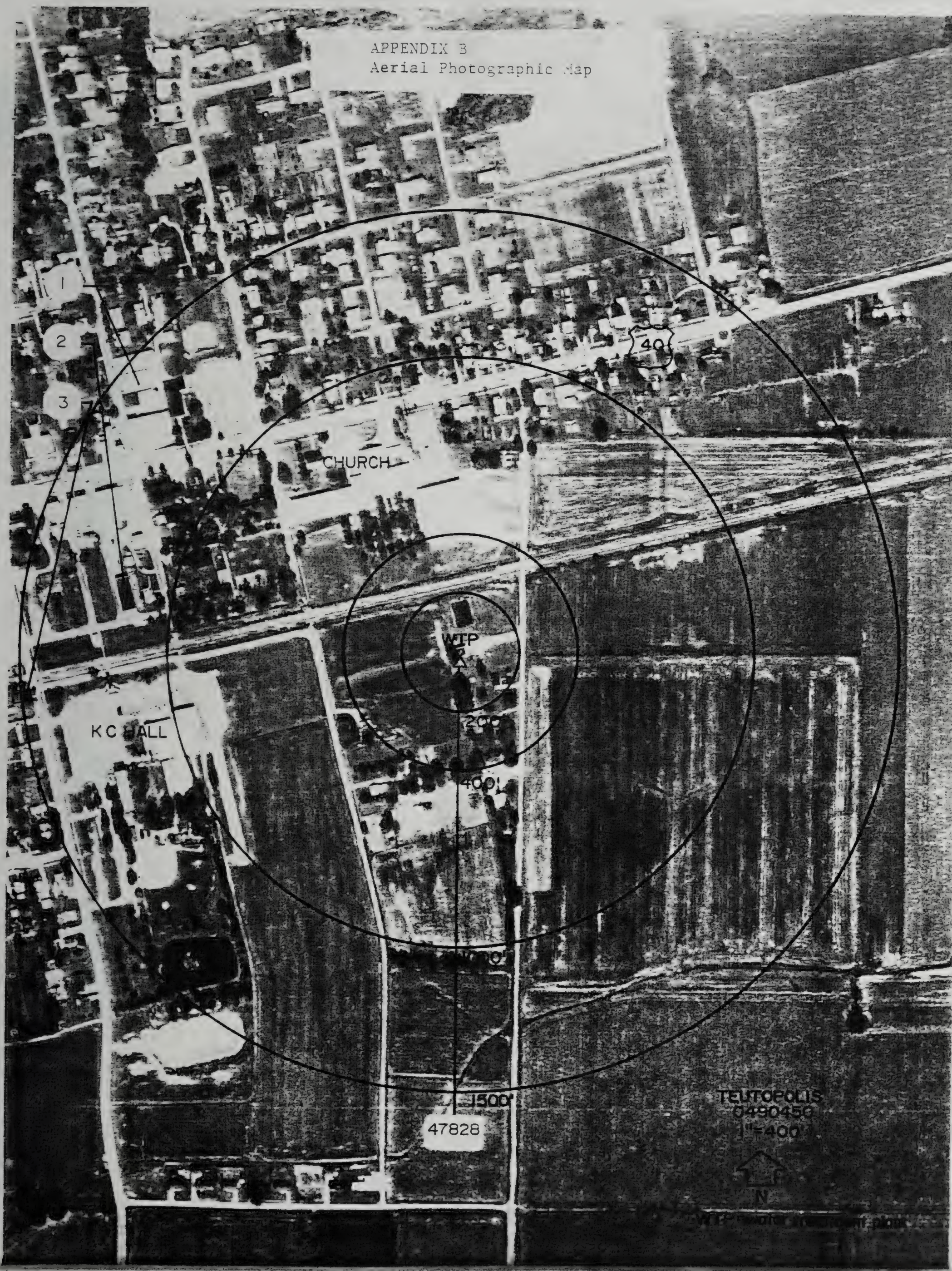
TECHNICAL APPENDICES

APPENDIX A

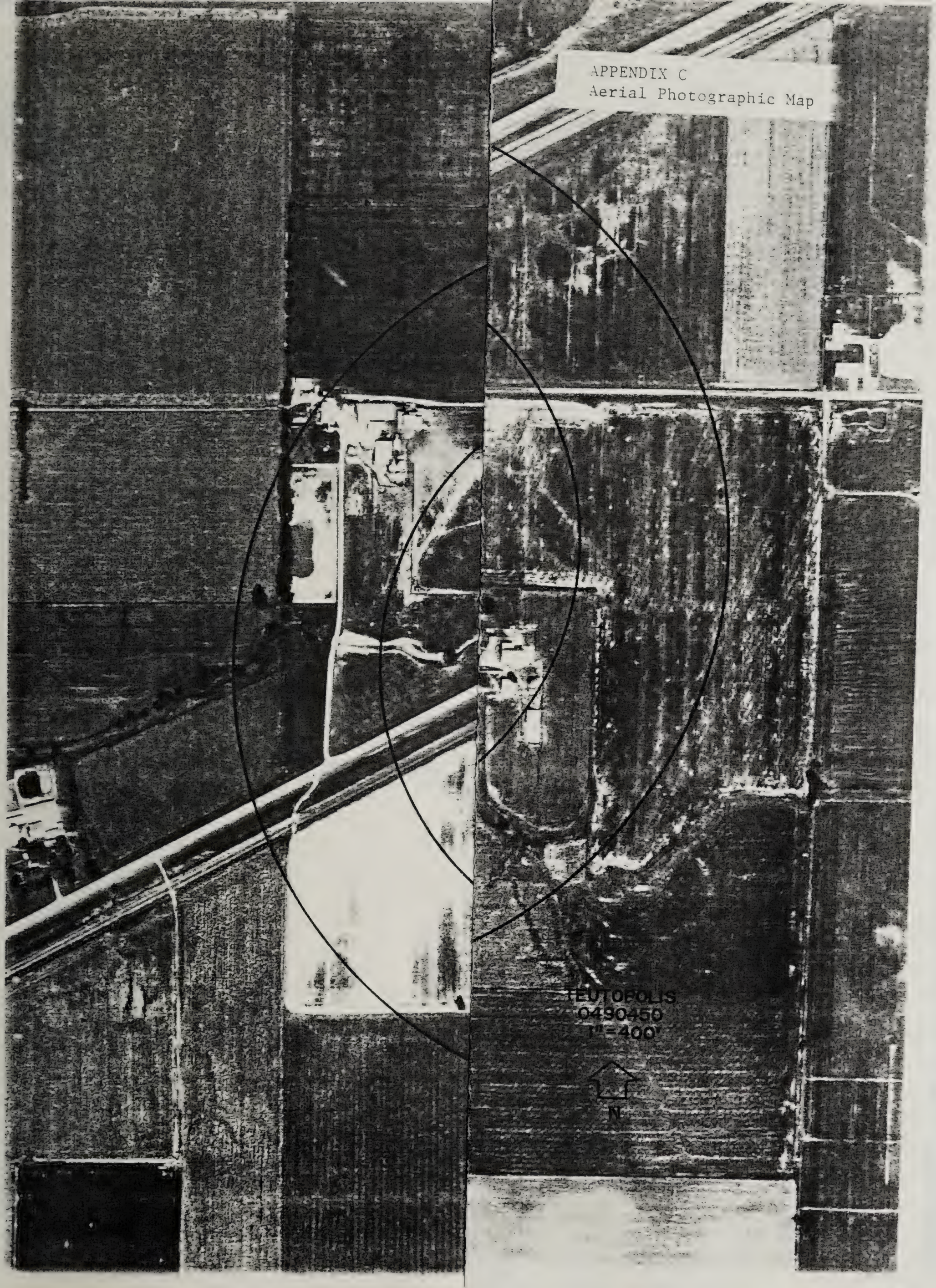
Topographic Map Displaying Teutopolis Well Locations



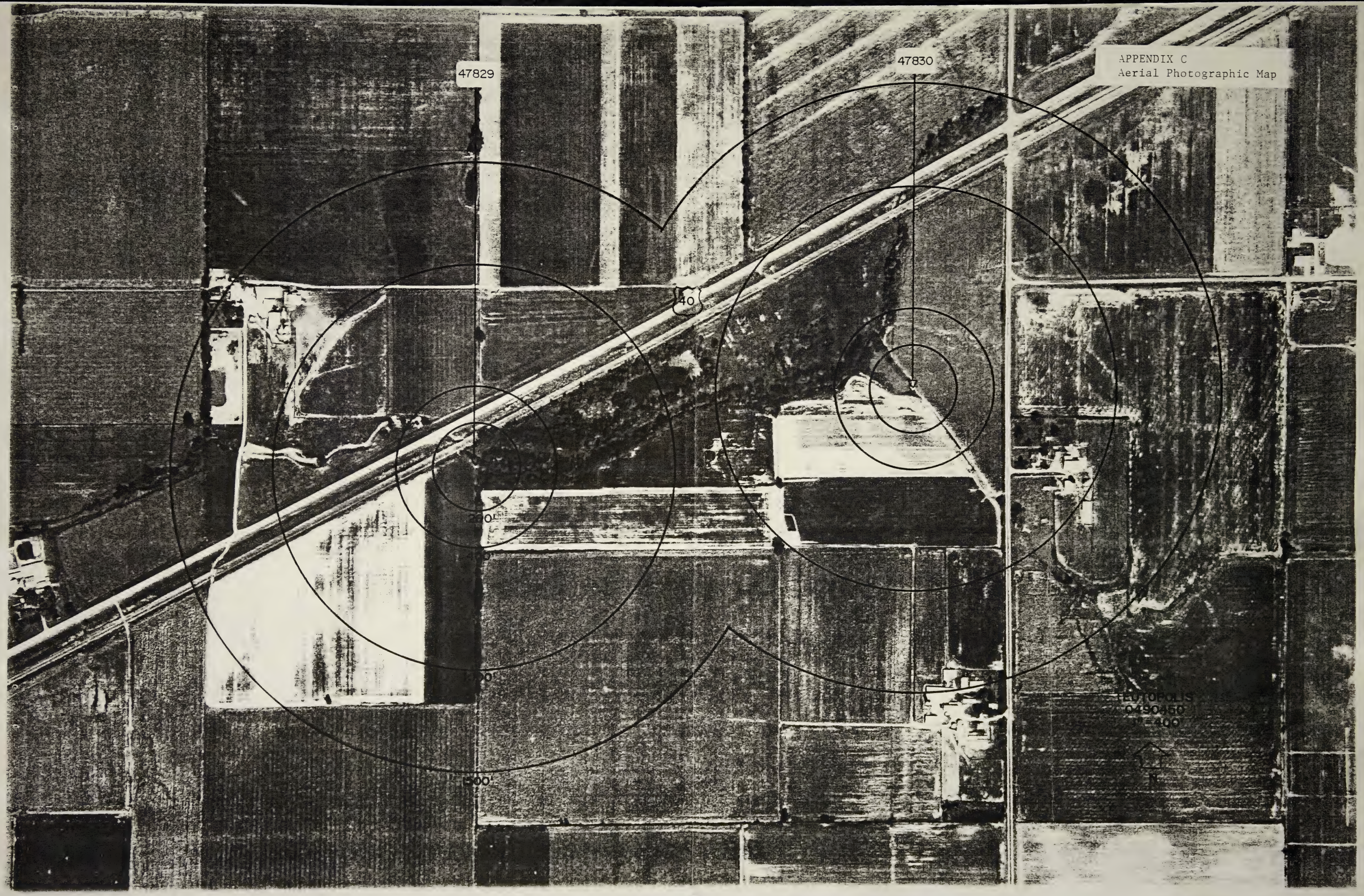
APPENDIX B
Aerial Photographic Map



APPENDIX C
Aerial Photographic Map



APPENDIX C
Aerial Photographic Map



APPENDIX: B1 WELL SITE SURVEY SUMMARY DESCRIPTION AND GEOLOGIC PROFILE
Teutopolis Well #1 (IEPA #47828)

SURVEYOR: W. Boring
SURVEY DATE: 8/15/90

ADDRESS:
Village Hall
P.O. Box 111
Teutopolis, IL 62467

AGENCY WELL NO: Well 1
WELL NAME & DESC.: 01
TREATMENT APPLICATION POINT: 0490450 - Teutopolis
FACILITY NO. & NAME: 217/857-3355
FAC. PHONE NUMBER: 8N, 6E, 24, 1G
LOCATION:
TWP, RNG, SECTION, 10 ACRE PLOT:
4480 N, 200 W
DISTANCE FROM CORNER: 206B - Teutopolis
QUAD SHEET CODE & NAME: 400 ft.
MIN. SETBACK:
MAX. SETBACK:
SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: C4 - sandstone overlain by low permeability till
AGE OF WELL (DATE WELL CONSTRUCTION): 1941
WELL DEPTH: 74 ft
AQUIFER CODE: 0101 - sand and gravel aquifer
MULTIPLE AQUIFER (Y, N): No
SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is mostly rural. The area is a mixture of row crops, residential and commercial.
INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO.:

APPENDIX: B1 INVENTORY AND SYNOPSIS OF UNITS Teutopolis Well #1 (IEPA #47828)

Classification (CLASSF*) KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = POTENTIAL ROUTE	OR = POTENTIAL ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 47828-01-
NAME & ADDRESS OF UNIT OWNER: Weber Bros. Hardware, 200 E. Main, Teutopolis, IL 62467 217/857-3135
DESCRIPTION AND COMMENTS: hardware store w/below ground fuel storage
PRE OR POST (Y,N): Y
DISTANCE AND DIRECTION: 1420 ft NW

WELL NO. - MAP CODE - CLASSF*: 47828-02-
NAME & ADDRESS OF UNIT OWNER: Thoele Cabinet Co., Teutopolis, IL 62467
DESCRIPTION AND COMMENTS: cabinet manufacturing
PRE OR POST (Y,N): Y
DISTANCE AND DIRECTION: 1100 ft NW

WELL NO. - MAP CODE - CLASSF*: 47828-03-
NAME & ADDRESS OF UNIT OWNER: Hoelschers Service, Teutopolis, IL 62467
DESCRIPTION AND COMMENTS: auto repair shop
PRE OR POST (Y,N): Y
DISTANCE AND DIRECTION: 1450 ft WSW

APPENDIX: C1 WELL SITE SURVEY SUMMARY DESCRIPTION AND GEOLOGIC PROFILE
Teutopolis Well #2 (IEPA #47829)

SURVEYOR: W. Boring
SURVEY DATE: 8/15/90

ADDRESS:
Village Hall
P.O. Box 111
Teutopolis, IL 62467

AGENCY WELL NO: Well 2
WELL NAME & DESC.: 01
TREATMENT APPLICATION POINT: 0490450 - Teutopolis
FACILITY NO. & NAME: 217/857-3355
FAC. PHONE NUMBER: 8N, 7E, 16, 5G
LOCATION:
TWP, RNG, SECTION, 10 ACRE PLOT:
4280 N, 2650 W
DISTANCE FROM CORNER: 206B - Teutopolis
QUAD SHEET CODE & NAME: 400 ft.
MIN. SETBACK:
MAX. SETBACK:
SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: A4 - sandstone overlain by low permeability till
AGE OF WELL (DATE WELL CONSTRUCTION): 1955
WELL DEPTH: 31 ft
AQUIFER CODE: 0101 - sand and gravel aquifer
MULTIPLE AQUIFER (Y, N): No
SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is mostly rural. The area is predominantly row crops.
INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO.:

APPENDIX: C1 INVENTORY AND SYNOPSIS OF UNITS Teutopolis Well #2 (IEPA #47829)

Classification (CLASSF*) KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = POTENTIAL ROUTE	OR = POTENTIAL ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 47829
NAME & ADDRESS OF UNIT OWNER:
DESCRIPTION AND COMMENTS: no visible sources of contamination
PRE OR POST (Y,N):
DISTANCE AND DIRECTION:

APPENDIX: C2 WELL SITE SURVEY SUMMARY DESCRIPTION AND GEOLOGIC PROFILE
Teutopolis Well #3 (IEPA #47830)

SURVEYOR: W. Boring
SURVEY DATE: 8/15/90

ADDRESS:
Village Hall
P.O. Box 111
Teutopolis, IL 62467

AGENCY WELL NO: Well 3
WELL NAME & DESC.: 01
TREATMENT APPLICATION POINT: 0490450 - Teutopolis
FACILITY NO. & NAME: 217/857-3355
FAC. PHONE NUMBER: 8N, 7E, 16, 2G
LOCATION:
TWP, RNG, SECTION, 10 ACRE PLOT:
4095 N, 1100 W
DISTANCE FROM CORNER: 206B - Teutopolis
QUAD SHEET CODE & NAME: 400 ft.
MIN. SETBACK:
MAX. SETBACK:
SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: A4 - sandstone overlain by low permeability till
AGE OF WELL (DATE WELL CONSTRUCTION):
WELL DEPTH:
AQUIFER CODE: 0101 - sand and gravel aquifer
MULTIPLE AQUIFER (Y, N): No
SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is rural. The area is predominantly row crops.
INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO.:

APPENDIX: C2 INVENTORY AND SYNOPSIS OF UNITS Teutopolis Well #3 (IEPA #47830)

Classification (CLASSF*) KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = POTENTIAL ROUTE	OR = POTENTIAL ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 47830
NAME & ADDRESS OF UNIT OWNER:
DESCRIPTION AND COMMENTS: no visible sources of contamination
PRE OR POST (Y,N):
DISTANCE AND DIRECTION:

WB:ds:0536L/1-10,sp

APPENDIX D

FACILITY: 0490450 TEUTOPOLIS

---------- OWNER ---------- ---------- OFFICIAL CUSTODIAN ----------

CLARENCE BRUMLEVE

VILLAGE HALL

PO BOX 111

TEUTOPOLIS IL 62467

WELL: 47828 WELL 1 IS AT PLANT ON E SIDE OF TOWN STATUS: ACTIVE DEPTH(FT): 74
LATITUDE: N39 12 51.0 LONGITUDE: W088 27 52.0 TWP: 08N RNG: 06E SEC: 24 PLOT: 1G

SUSCEPTIBILITY - LAND BURIAL: C4 SUSCEPTIBILITY - LAND SPREADING: --- MINIMUM SETBACK(FT): 0400 ---
AQUIFERS: QUATERNARY SYSTEM

WELL: 47829 WELL 2 IS 2 MI NE OF TOWN S OF RR STATUS: ACTIVE DEPTH(FT): 31
LATITUDE: N39 13 44.0 LONGITUDE: W088 25 28.0 TWP: 08N RNG: 07E SEC: 16 PLOT: 5G

SUSCEPTIBILITY - LAND BURIAL: A4 SUSCEPTIBILITY - LAND SPREADING: B3 --- MINIMUM SETBACK(FT): 0400 ---
AQUIFERS: QUATERNARY SYSTEM

WELL: 47830 WELL 3 IS 2 MI NE OF TOWN, E OF WELL#2 STATUS: ACTIVE DEPTH(FT):
LATITUDE: N39 13 41.0 LONGITUDE: W088 25 08.0 TWP: 08N RNG: 07E SEC: 16 PLOT: 2G

SUSCEPTIBILITY - LAND BURIAL: A4 SUSCEPTIBILITY - LAND SPREADING: B3 --- MINIMUM SETBACK(FT): 0400 ---
AQUIFERS: QUATERNARY SYSTEM

SUSCEPTIBILITY CODES

LAND BURIAL: C4 = CEMENTED SANDSTONE, WITHIN 20 TO 50 FT OF SURFACE, OVERLAIN BY RELATIVELY IMPERMEABLE TILL OR OTHER FINE-GRAINED MATERIALS.

A4 = CEMENTED SANDSTONE WITHIN 20 FT OF LAND SURFACE; VARIABLE, RELATIVELY IMPERMEABLE OVERLYING MATERIALS.

LAND SPREADING: B3 = CEMENTED SANDSTONE WITHIN 20 FT OF SURFACE; VARIABLE, RELATIVELY IMPERMEABLE OVERLYING MATERIALS.

APPENDIX E

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES
SELECTED SAMPLE EXPANDED REPORT

FACILITY: 0490450 TEUTOPOLIS STATUS: A PUBLIC: Y COMM: Y TYPE WATER: G
TAP: 01 PLANT ON EAST SIDE OF TOWN,SOUTH OF RR STATUS: A
RAW SRCE: 47828 WELL 1 IS AT PLANT ON E SIDE OF TOWN STATUS: A

SAMPLE NO: B71373700 LOCATION: TEUTOPOLIS WELL 1
SMPL TYPE: RAW COLLECTOR: BORING
SMPL PURP: 5-SPEC/OTHR COMMENTS:
SMPL PROG: I-GWM INORG OBSRVATNS:

COLL DATE: 08/19/87 DELIVERED BY: UPS
LAB RCVD: 08/21/87 RECEIVED BY: MAD
LAB COMPL: 11/02/87 LAB SUPERVISOR: RPF
SMPL PERIOD: 08/87 FUND CODE: PW30

ANALYSIS ID	RSLT NO	STORET NO	DESCRIPTION	UNITS	RESULT	STANDARDS DRINK WTR	STANDARDS RAW WTR	TRIGGER LEVEL
102T000	001	70300	RESIDUE,TOTAL FILTERABLE @180 C,MG/L	MG/L	595.000			
103T000	001	00410	ALKALINITY,TOTAL MG/L AS CACO3	MG/L	341.000			
107T000	001	00951	FLUORIDE,TOTAL MG/L AS F	MG/L	0.390	4.000		
108T000	001	00940	CHLORIDE,TOTAL MG/L AS CL	MG/L	50.000			
109T000	001	00945	SULFATE,TOTAL MG/L AS SO4	MG/L	128.000			
110T000	001	00630	NITRATE & NITRITE TOTAL MG/L AS N	MG/L	0.100 <	10.000		
111T000	001	00610	NITROGEN,AMMONIA TOTAL MG/L AS N	MG/L	0.570			
112T000	001	32730	PHENOLS, TOTAL RECOVERABLE UG/L	UG/L	5.000 <			
114T000	001	00956	SILICA,TOTAL MG/L AS SIO2	MG/L	18.000			
115T000	001	00665	PHOSPHORUS, TOTAL MG/L AS P	MG/L	0.120			
116T000	001	00720	CYANIDE,TOTAL MG/L AS CN	MG/L	0.005 <	0.200		
144T000	001	01002	ARSENIC,TOTAR RECOVERABLE UG/L AS AS	UG/L	1.000	50.000		
151T100	001	01051	LEAD,TOTAL RECOVERABLE UG/L AS PB	UG/L	5.000 <	50.000		
153T000	001	71900	MERCURY,TOTAL UG/L AS HG	UG/L	0.050 <	2.000		
155T000	001	01147	SELENIUM,TOTAL RECOVERABLE UG/L ASSE	UG/L	1.000 <	10.000		
177T100	001	00916	CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP	MG/L	108.000			
177T100	002	00927	MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP	MG/L	31.000			
177T100	003	00929	SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP	MG/L	65.000			
177T100	004	00937	POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP	MG/L	1.500			
177T100	005	01105	ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP	UG/L	50.000 <			
177T100	006	01007	BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP	UG/L	166.000	1000.000		
177T100	007	01022	BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP	UG/L	50.000 <			
177T100	008	01012	BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP	UG/L	1.000 <			
177T100	009	01027	CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB	UG/L	3.000 <	10.000		
177T100	010	01034	CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB	UG/L	5.000 <	50.000		
177T100	011	01042	COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP	UG/L	5.000 <	5000.000		
177T100	012	01037	COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP	UG/L	5.000 <			
177T100	013	01045	IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP	UG/L	5803.000	1000.000*		
177T100	014	01055	MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP	UG/L	561.000	150.000*		
177T100	015	01067	NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP	UG/L	5.000 <			
177T100	016	01077	SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP	UG/L	3.000 <	50.000		
177T100	017	01082	STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP	UG/L	232.000			
177T100	018	01087	VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP	UG/L	5.000 <			
177T100	019	01092	ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP	UG/L	50.000 <	5000.000		
177T100	020	82394	HARDNESS, CALC - MG/L	MG/L	395.000			
5001200	001	72037	PUMPING RATE GPM	GAL/M	100.000			
5001200	002	00094	CONDUCTIVITY - FIELD (UMHOS/CM @ 25 C)	UM/CM	940.000			
5001200	003	00090	OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS	MV	84.000-			
5001200	004	00400	PH PH UNITS	UNITS	6.560			
5001200	005	00010	WATER TEMPERATURE DEG C	DEG.C	19.500			

FACILITY: 0490450 TEUTOPOLIS

*** CONTINUED ***

SAMPLE NO: B004372 LOCATION: WELL #1
SMPL TYPE: RAW COLLECTOR: CARL PALS
SMPL PURP: 1-ROUTINE COMMENTS:
SMPL PROG: I-GWM INORG OBSRVATNS:

COLL DATE: 08/04/82 DELIVERED BY:
LAB RCVD: 10/12/82 RECEIVED BY:
LAB COMPL: LAB SUPERVISOR:
SMPL PERIOD: 08/82 FUND CODE:

ANALYSIS ID	RSLT NO	STORET NO	DESCRIPTION	UNITS	RESULT	STANDARDS DRINK WTR	STANDARDS RAW WTR	TRIGGER LEVEL
		00095	CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C		960.000			
		00403	PH LABORATORY UNITS		7.500			
		00410	ALKALINITY,TOTAL MG/L AS CACO3		386.000			
		00610	NITROGEN,AMMONIA TOTAL MG/L AS N		1.900			
		00630	NITRATE & NITRITE TOTAL MG/L AS N		0.100 <	10.000		
		00720	CYANIDE,TOTAL MG/L AS CN		0.005 <	0.200		
		00900	HARDNESS,EDTA MG/L AS CACO3		356.000			
		00916	CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP		106.000			
		00927	MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP		24.100			
		00929	SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP		83.000			
		00937	POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP		1.600			
		00940	CHLORIDE,TOTAL MG/L AS CL		56.000			
		00945	SULFATE,TOTAL MG/L AS SO4		77.000			
		00951	FLUORIDE,TOTAL MG/L AS F		0.370	4.000		
		00956	SILICA,TOTAL MG/L AS SIO2		20.000			
		01002	ARSENIC,TOTAR RECOVERABLE UG/L AS AS		1.000 <	50.000		
		01007	BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP		242.000	1000.000		
		01012	BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP		0.500 <			
		01022	BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP		40.000			
		01027	CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB		3.000 <	10.000		
		01034	CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB		5.000 <	50.000		
		01037	COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP		5.000 <			
		01042	COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP		3.000 <	5000.000		
		01045	IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP		1100.000	1000.000*		
		01051	LEAD,TOTAL RECOVERABLE UG/L AS PB		5.000 <	50.000		
		01055	MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP		453.000	150.000*		
		01067	NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP		29.000			
		01077	SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP		5.000 <	50.000		
		01082	STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP		268.000			
		01087	VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP		4.000 <			
		01092	ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP		2.000 <	5000.000		
		01147	SELENIUM,TOTAL RECOVERABLE UG/L ASSE		1.000 <	10.000		
		70300	RESIDUE,TOTAL FILTERABLE @180 C,MG/L		434.000			
		70304	TOTAL DISSOLVED SOLIDS MG/L BY EC		580.000			
		71900	MERCURY,TOTAL UG/L AS HG		0.050 <	2.000		

SAMPLE NO: 075847500 LOCATION: TEUTOPOLIS WELL 1
SMPL TYPE: RAW COLLECTOR: W BORING
SMPL PURP: 5-SPEC/OTHR COMMENTS: VOCS
SMPL PROG: 7-VOC OBSRVATNS: 2 VOCS

COLL DATE: 08/19/87 DELIVERED BY: W B
LAB RCVD: 08/20/87 RECEIVED BY: D V
LAB COMPL: 09/02/87 LAB SUPERVISOR: JTH
SMPL PERIOD: 08/87 FUND CODE: PW30

FACILITY: 0490450 TEUTOPOLIS *** CONTINUED ***

ANALYSIS ID	RSLT NO	STORET NO	DESCRIPTION	UNITS	RESULT	STANDARDS DRINK WTR	STANDARDS RAW WTR	TRIGGER LEVEL
431A 00	001	32106	CHLOROFORM UG/L GC/MS	UG/L	1.000 <			
431A 00	002	32101	BROMODICHLOROMETHANE UG/L GC/MS	UG/L	1.000 <			
431A 00	003	32105	DIBROMOCHLOROMETHANE UG/L GC/MS	UG/L	1.000 <			
431A 00	004	32104	BROMOFORM UG/L GC/MS	UG/L	1.000 <			
431A 00	005	34423	METHYLENE CHLORIDE UG/L	UG/L	1.000 <			
431A 00	006	34501	1,1-DICHLOROETHYLENE UG/L GC/MS	UG/L	1.000 <	7.000		
431A 00	007	34496	1,1-DICHLOROETHANE UG/L GC/MS	UG/L	1.000 <			
431A 00	008	34546	TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS	UG/L	1.000 <			
431A 00	009	77279	1,2-DICHLOROETHANE UG/L	UG/L	1.000 <	5.000		
431A 00	010	34506	1,1,1-TRICHLOROETHANE UG/L GC/MS	UG/L	1.000 <	200.000		
431A 00	011	32102	CARBON TETRACHLORIDE UG/L GC/MS	UG/L	1.000 <	5.000		
431A 00	012	39180	TRICHLOROETHYLENE UG/L	UG/L	1.000 <	5.000		
431A 00	013	34475	TETRACHLOROETHYLENE UG/L GC/MS	UG/L	1.000 <			
431A 00	014	34301	CHLOROBENZENE UG/L	UG/L	1.000 <			
431A 00	015	34716	DICHLOROBENZENE UG/L	UG/L	1.000 <			
431A 00	016	78124	BENZENE UG/L	UG/L	1.000 <	5.000		
431A 00	017	78131	TOLUENE UG/L	UG/L	1.000 <			
431A 00	018	78113	ETHYLBENZENE UG/L	UG/L	1.000 <			
431A 00	019	81551	XYLENE UG/L	UG/L	1.000 <			
5001200	001	72037	PUMPING RATE GPM	GAL/M	100.000			
5001200	002	00094	CONDUCTIVITY - FIELD (UMHOS/CM @ 25 C)	UM/CM	940.000			
5001200	003	00090	OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS	MV	84.000-			
5001200	004	00400	PH PH UNITS	UNITS	6.560			
5001200	005	00010	WATER TEMPERATURE DEG C	DEG.C	19.500			

FACILITY: 0490450 TEUTOPOLIS STATUS: A PUBLIC: Y COMM: Y TYPE WATER: G
TAP: 01 PLANT ON EAST SIDE OF TOWN,SOUTH OF RR STATUS: A
RAW SRCE: 47829 WELL 2 IS 2 MI NE OF TOWN S OF RR STATUS: A

SAMPLE NO: D75847900 LOCATION: TEUTOPOLIS WELL 2
SMPL TYPE: RAW COLLECTOR: W BORING
SMPL PURP: 5-SPEC/OTHR COMMENTS: PESTICIDES
SMPL PROG: 8-GWM PEST OBSRVATNS: 2 GAL WATER

COLL DATE: 08/19/87 DELIVERED BY: W B
LAB RCVD: 08/20/87 RECEIVED BY: D V
LAB COMPL: 08/26/87 LAB SUPERVISOR: JTH
SMPL PERIOD: 08/87 FUND CODE: PW30

ANALYSIS ID	RSLT NO	STORET NO	DESCRIPTION	UNITS	RESULT	STANDARDS DRINK WTR	STANDARDS RAW WTR	TRIGGER LEVEL
400A 00	001	39340	LINDANE UG/L	UG/L	0.010 <	4.000		
400A 00	002	39410	HEPTACHLOR UG/L	UG/L	0.010 <	0.100		
400A 00	003	39330	ALDRIN UG/L	UG/L	0.010 <	1.000		
400A 00	004	39422	HEPTACHLOR EPOXIDE UG/L	UG/L	0.010 <	0.100		
400A 00	005	39348	ALPHA CHLORDANE UG/L	UG/L	0.010 <			
400A 00	006	39810	GAMMA CHLORDANE UG/L	UG/L	0.010 <			
400A 00	007	39380	DIELDRIN UG/L	UG/L	0.010 <	1.000		
400A 00	008	39390	ENDRIN UG/L	UG/L	0.010 <	0.200		
400A 00	009	39480	METHOXYCHLOR UG/L	UG/L	0.050 <	100.000		
400A 00	010	39327	O,P'-DDE UG/L	UG/L	0.010 <			

FACILITY: 0490450 TEUTOPOLIS *** CONTINUED ***

400A	00	011	39320	P,P'-DDE UG/L	UG/L	0.010	<	
400A	00	012	39315	O,P'-DDD UG/L	UG/L	0.010	<	
400A	00	013	39310	P,P'-DDD UG/L	UG/L	0.010	<	
400A	00	014	39305	O,P'-DDT UG/L	UG/L	0.010	<	
400A	00	015	39300	P,P'-DDT UG/L	UG/L	0.010	<	
400A	00		39370	TOTAL DDT UG/L		0.000		50.000
400C	00	001	39400	TOXAPHENE UG/L	UG/L	1.000	<	5.000
402A	00	001	39516	TOTAL PCB'S UG/L	UG/L	0.100	<	
408B	00	001	46313	PHORATE UG/L	UG/L	0.050	<	
408B	00	002	39570	DIAZINON UG/L	UG/L	0.050	<	
408B	00	003	39357	RONNEL UG/L	UG/L	0.050	<	
408B	00	004	39600	METHYL PARATHION UG/L	UG/L	0.050	<	
408B	00	005	82088	TERBUFOS (COUNTER) UG/L	UG/L	0.050	<	
408B	00	006	81294	DYFONATE UG/L	UG/L	0.050	<	
408B	00	007	81403	DURSBAN UG/L	UG/L	0.050	<	
408B	00	008	39530	MALATHION UG/L	UG/L	0.050	<	
408B	00	009	39398	ETHION UG/L	UG/L	0.050	<	
408B	00	010	81264	TREFLAN UG/L	UG/L	0.010	<	
408B	00	011	39630	ATRAZINE (AATREX) UG/L	UG/L	0.050	<	
408B	00	012	77825	ALACHLOR UG/L	UG/L	0.020	<	
408B	00	013	39356	METOLACHLOR (DUAL) UG/L	UG/L	0.100	<	
408B	00	014	81757	CYANAZINE UG/L	UG/L	0.050	<	
414A	00	001	39730	2,4-D UG/L	UG/L	0.100	<	10.000
414A	00	002	39760	SILVEX UG/L	UG/L	0.050	<	10.000
5001200		001	72037	PUMPING RATE GPM	GAL/M	100.000		

SAMPLE NO: B71373600 LOCATION: TEUTOPOLIS WELL 2
SMPL TYPE: RAW COLLECTOR: W BORING
SMPL PURP: 5-SPEC/OTHR COMMENTS:
SMPL PROG: I-GWM INORG OBSRVATNS:

COLL DATE: 08/19/87 DELIVERED BY: UPS
LAB RCVD: 08/21/87 RECEIVED BY: MAD
LAB COMPL: 11/02/87 LAB SUPERVISOR: RPF
SMPL PERIOD: 08/87 FUND CODE: PW30

ANALYSIS ID	RSLT NO	STORET NO	DESCRIPTION	UNITS	RESULT		STANDARDS DRINK WTR	STANDARDS RAW WTR	TRIGGER LEVEL
102T000	001	70300	RESIDUE,TOTAL FILTERABLE @180 C,MG/L	MG/L	754.000				
103T000	001	00410	ALKALINITY,TOTAL MG/L AS CACO3	MG/L	371.000				
107T000	001	00951	FLUORIDE,TOTAL MG/L AS F	MG/L	0.260		4.000		
108T000	001	00940	CHLORIDE,TOTAL MG/L AS CL	MG/L	50.000				
109T000	001	00945	SULFATE,TOTAL MG/L AS SO4	MG/L	223.000				
110T000	001	00630	NITRATE & NITRITE TOTAL MG/L AS N	MG/L	0.100	<	10.000		
111T000	001	00610	NITROGEN,AMMONIA TOTAL MG/L AS N	MG/L	0.490				
112T000	001	32730	PHENOLS, TOTAL RECOVERABLE UG/L	UG/L	5.000	<			
114T000	001	00956	SILICA,TOTAL MG/L AS SIO2	MG/L	15.000				
115T000	001	00665	PHOSPHORUS, TOTAL MG/L AS P	MG/L	0.090				
116T000	001	00720	CYANIDE,TOTAL MG/L AS CN	MG/L	0.005	<	0.200		
144T000	001	01002	ARSENIC,TOTAR RECOVERABLE UG/L AS AS	UG/L	1.000		50.000		
151T100	001	01051	LEAD,TOTAL RECOVERABLE UG/L AS PB	UG/L	5.000	<	50.000		
153T000	001	71900	MERCURY,TOTAL UG/L AS HG	UG/L	0.050	<	2.000		
155T000	001	01147	SELENIUM,TOTAL RECOVERABLE UG/L ASSE	UG/L	1.000	<	10.000		
177T100	001	00916	CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP	MG/L	155.000				

FACILITY: 0490450 TEUTOPOLIS *** CONTINUED ***

177T100	002	00927	MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP	MG/L	40.000		
177T100	003	00929	SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP	MG/L	54.000		
177T100	004	00937	POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP	MG/L	2.000		
177T100	005	01105	ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP	UG/L	50.000	<	
177T100	006	01007	BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP	UG/L	119.000		1000.000
177T100	007	01022	BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP	UG/L	50.000	<	
177T100	008	01012	BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP	UG/L	1.000	<	
177T100	009	01027	CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB	UG/L	3.000	<	10.000
177T100	010	01034	CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB	UG/L	5.000	<	50.000
177T100	011	01042	COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP	UG/L	5.000	<	5000.000
177T100	012	01037	COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP	UG/L	5.000	<	
177T100	013	01045	IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP	UG/L	5065.000		1000.000*
177T100	014	01055	MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP	UG/L	697.000		150.000*
177T100	015	01067	NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP	UG/L	5.000	<	
177T100	016	01077	SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP	UG/L	3.000	<	50.000
177T100	017	01082	STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP	UG/L	272.000		
177T100	018	01087	VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP	UG/L	5.000	<	
177T100	019	01092	ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP	UG/L	50.000	<	5000.000
177T100	020	82394	HARDNESS, CALC - MG/L	MG/L	551.000		
530F000	001	72037	PUMPING RATE GPM	GAL/M	100.000		

SAMPLE NO: B004371 LOCATION: WELL #2
SMPL TYPE: RAW COLLECTOR: CARL PALS
SMPL PURP: 1-ROUTINE COMMENTS:
SMPL PROG: I-GWM INDPG OBSRVATNS:

COLL DATE: 08/04/82 DELIVERED BY:
LAB RCVD: 10/12/82 RECEIVED BY:
LAB COMPL: LAB SUPERVISOR:
SMPL PERIOD: 08/82 FUND CODE:

ANALYSIS ID	RSLT NO	STORET NO	DESCRIPTION	UNITS	RESULT		STANDARDS DRINK WTR	STANDARDS RAW WTR	TRIGGER LEVEL
		00095	CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C		1390.000				
		00403	PH LABORATORY UNITS		7.200				
		00410	ALKALINITY,TOTAL MG/L AS CACO3		353.000				
		00610	NITROGEN,AMMONIA TOTAL MG/L AS N		0.540				
		00630	NITRATE & NITRITE TOTAL MG/L AS N		0.100	<	10.000		
		00720	CYANIDE,TOTAL MG/L AS CN		0.005	<	0.200		
		00900	HARDNESS,EDTA MG/L AS CACO3		7.200				
		00916	CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP		108.000				
		00927	MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP		26.500				
		00929	SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP		25.000				
		00937	POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP		2.200				
		00940	CHLORIDE,TOTAL MG/L AS CL		50.000				
		00945	SULFATE,TOTAL MG/L AS SO4		749.000				
		00951	FLUORIDE,TOTAL MG/L AS F		0.300		4.000		
		00956	SILICA,TOTAL MG/L AS SIO2		12.000				
		01002	ARSENIC,TOTAR RECOVERABLE UG/L AS AS		4.000		50.000		
		01007	BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP		122.000		1000.000		
		01012	BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP		0.500	<			
		01022	BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP		80.000				
		01034	CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB		5.000	<	50.000		
		01037	COBALT,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP		5.000	<			

FACILITY: 0490450 TEUTOPOLIS *** CONTINUED ***

01042	COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP	12.000	5000.000
01045	IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP	3000.000	1000.000*
01051	LEAD,TOTAL RECOVERABLE UG/L AS PB	5.000 <	50.000
01055	MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP	467.000	150.000*
01067	NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP	6.000	
01077	SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP	5.000 <	50.000
01082	STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP	316.000	
01087	VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP	4.000 <	
01092	ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP	16.000	5000.000
01147	SELENIUM,TOTAL RECOVERABLE UG/L ASSE	1.000 <	10.000
70300	RESIDUE,TOTAL FILTERABLE @180 C,MG/L	1010.000	
70304	TOTAL DISSOLVED SOLIDS MG/L BY EC	830.000	
71900	MERCURY,TOTAL UG/L AS HG	0.050 <	2.000

SAMPLE NO: D970990 LOCATION: WELL 2 COLL DATE: 02/07/89 DELIVERED BY:
SMPL TYPE: RAW COLLECTOR: CP LAB RCVD: 02/08/89 RECEIVED BY:
SMPL PURP: 9-VARIANCE COMMENTS: LAB COMPL: LAB SUPERVISOR:
SMPL PROG: V-VOC OBSRVATNS: SMPL PERIOD: 02/88 FUND CODE: PW30

ANALYSIS ID	RSLT NO	STORET NO	DESCRIPTION	UNITS	RESULT	STANDARDS DRINK WTR	STANDARDS RAW WTR	TRIGGER LEVEL
		32101	BROMODICHLOROMETHANE UG/L GC/MS		1.000 <			
		32102	CARBON TETRACHLORIDE UG/L GC/MS		1.000 <	5.000		
		32104	BROMOFORM UG/L GC/MS		1.000 <			
		32105	DIBROMOCHLOROMETHANE UG/L GC/MS		1.000 <			
		32106	CHLOROFORM UG/L GC/MS		1.000 <			
		34301	CHLOROBENZENE UG/L		1.000 <			
		34423	METHYLENE CHLORIDE UG/L		1.000 <			
		34475	TETRACHLOROETHYLENE UG/L GC/MS		1.000 <			
		34496	1,1-DICHLOROETHANE UG/L GC/MS		1.000 <			
		34501	1,1-DICHLOROETHYLENE UG/L GC/MS		1.000 <	7.000		
		34506	1,1,1-TRICHLOROETHANE UG/L GC/MS		1.000 <	200.000		
		34531	1,2-DICHLOROETHANE UG/L		1.000 <	5.000		
		34546	TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS		1.000 <			
		34716	DICHLOROBENZENE UG/L		1.000 <			
		39180	TRICHLOROETHYLENE UG/L		1.000 <	5.000		
		78113	ETHYLBENZENE UG/L		1.000 <			
		78124	BENZENE UG/L		1.000 <	5.000		
		78131	TOLUENE UG/L		1.000 <			
		81551	XYLENE UG/L		1.000 <			

SAMPLE NO: D75847600 LOCATION: TEUTOPOLIS WELL 2 COLL DATE: 08/19/87 DELIVERED BY: W B
SMPL TYPE: RAW COLLECTOR: W BORING LAB RCVD: 08/20/87 RECEIVED BY: D V
SMPL PURP: 5-SPEC/OTHR COMMENTS: VOCS LAB COMPL: 09/02/87 LAB SUPERVISOR: JTH
SMPL PROG: V-VOC OBSRVATNS: 2 VOC SMPL PERIOD: 08/87 FUND CODE: PW30

FACILITY: 0490450 TEUTOPOLIS *** CONTINUED ***

ANALYSIS ID	RSLT NO	STORET NO	DESCRIPTION	UNITS	RESULT	STANDARDS DRINK WTR	STANDARDS RAW WTR	TRIGGER LEVEL
431A 00	001	32106	CHLOROFORM UG/L GC/MS	UG/L	1.000 <			
431A 00	002	32101	BROMODICHLOROMETHANE UG/L GC/MS	UG/L	1.000 <			
431A 00	003	32105	DIBROMOCHLOROMETHANE UG/L GC/MS	UG/L	1.000 <			
431A 00	004	32104	BROMOFORM UG/L GC/MS	UG/L	1.000 <			
431A 00	005	34423	METHYLENE CHLORIDE UG/L	UG/L	1.000 <			
431A 00	006	34501	1,1-DICHLOROETHYLENE UG/L GC/MS	UG/L	1.000 <	7.000		
431A 00	007	34496	1,1-DICHLOROETHANE UG/L GC/MS	UG/L	1.000 <			
431A 00	008	34546	TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS	UG/L	1.000 <			
431A 00	009	77279	1,2-DICHLOROETHANE UG/L	UG/L	1.000 <	5.000		
431A 00	010	34506	1,1,1-TRICHLOROETHANE UG/L GC/MS	UG/L	1.000 <	200.000		
431A 00	011	32102	CARBON TETRACHLORIDE UG/L GC/MS	UG/L	1.000 <	5.000		
431A 00	012	39180	TRICHLOROETHYLENE UG/L	UG/L	1.000 <	5.000		
431A 00	013	34475	TETRACHLOROETHYLENE UG/L GC/MS	UG/L	1.000 <			
431A 00	014	34301	CHLOROBENZENE UG/L	UG/L	1.000 <			
431A 00	015	34716	DICHLOROBENZENE UG/L	UG/L	1.000 <			
431A 00	016	78124	BENZENE UG/L	UG/L	1.000 <	5.000		
431A 00	017	78131	TOLUENE UG/L	UG/L	1.000 <			
431A 00	018	78113	ETHYLBENZENE UG/L	UG/L	1.000 <			
431A 00	019	81551	XYLENE UG/L	UG/L	1.000 <			
5001200	001	72037	PUMPING RATE GPM	GAL/M	100.000			

FACILITY: 0490450 TEUTOPOLIS STATUS: A PUBLIC: Y COMM: Y TYPE WATER: G
TAP: 01 PLANT ON EAST SIDE OF TOWN,SOUTH OF RR STATUS: A
RAW SRCE: 47830 WELL 3 IS 2 MI NE OF TOWN, E OF WELL#2 STATUS: A

SAMPLE NO: B71374100 LOCATION: TEUTOPOLIS WELL 3 COLL DATE: 08/19/87 DELIVERED BY: UPS
SMPL TYPE: RAW COLLECTOR: W BORING LAB RCVD: 08/21/87 RECEIVED BY: MAD
SMPL PURP: 5-SPEC/OTHR COMMENTS: LAB COMPL: 11/02/87 LAB SUPERVISOR: RPF
SMPL PROG: I-GWM INORG OBSRVATNS: SMPL PERIOD: 08/87 FUND CODE: PW30

ANALYSIS ID	RSLT NO	STORET NO	DESCRIPTION	UNITS	RESULT	STANDARDS DRINK WTR	STANDARDS RAW WTR	TRIGGER LEVEL
102T000	001	70300	RESIDUE,TOTAL FILTERABLE @180 C,MG/L	MG/L	560.000			
103T000	001	00410	ALKALINITY,TOTAL MG/L AS CACO3	MG/L	277.000			
107T000	001	00951	FLUORIDE,TOTAL MG/L AS F	MG/L	0.490	4.000		
108T000	001	00940	CHLORIDE,TOTAL MG/L AS CL	MG/L	50.000			
109T000	001	00945	SULFATE,TOTAL MG/L AS SO4	MG/L	143.000			
110T000	001	00630	NITRATE & NITRITE TOTAL MG/L AS N	MG/L	0.100 <	10.000		
111T000	001	00610	NITROGEN,AMMONIA TOTAL MG/L AS N	MG/L	0.480			
112T000	001	32730	PHENOLS, TOTAL RECOVERABLE UG/L	UG/L	5.000 <			
114T000	001	00956	SILICA,TOTAL MG/L AS SIO2	MG/L	17.000			
115T000	001	00665	PHOSPHORUS, TOTAL MG/L AS P	MG/L	0.210			
116T000	001	00720	CYANIDE,TOTAL MG/L AS CN	MG/L	0.005 <	0.200		
144T000	001	01002	ARSENIC,TOTAR RECOVERABLE UG/L AS AS	UG/L	1.000 <	50.000		
151T100	001	01051	LEAD,TOTAL RECOVERABLE UG/L AS PB	UG/L	5.000 <	50.000		
153T000	001	71900	MERCURY,TOTAL UG/L AS HG	UG/L	0.050 <	2.000		

FACILITY: 0490450 TEUTOPOLIS *** CONTINUED ***

155T000	001	01147	SELENIUM,TOTAL RECOVERABLE UG/L ASSE	UG/L	1.000	<	10.000
177T100	001	00916	CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP	MG/L	92.000		
177T100	002	00927	MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP	MG/L	32.000		
177T100	003	00929	SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP	MG/L	65.000		
177T100	004	00937	POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP	MG/L	1.700		
177T100	005	01105	ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP	UG/L	50.000	<	
177T100	006	01007	BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP	UG/L	127.000		1000.000
177T100	007	01022	BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP	UG/L	50.000	<	
177T100	008	01012	BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP	UG/L	0.500	<	
177T100	009	01027	CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB	UG/L	3.000	<	10.000
177T100	010	01034	CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB	UG/L	5.000	<	50.000
177T100	011	01042	COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP	UG/L	5.000	<	5000.000
177T100	012	01037	COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP	UG/L	5.000	<	
177T100	013	01045	IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP	UG/L	12750.000		1000.000*
177T100	014	01055	MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP	UG/L	621.000		150.000*
177T100	015	01067	NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP	UG/L	5.000	<	
177T100	016	01077	SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP	UG/L	3.000	<	50.000
177T100	017	01082	STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP	UG/L	209.000		
177T100	018	01087	VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP	UG/L	5.000	<	
177T100	019	01092	ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP	UG/L	50.000	<	5000.000
177T100	020	92394	HARDNESS, CALC - MG/L	MG/L	362.000		
530F000	001	72037	PUMPING RATE GPM	GAL/M	100.000		

SAMPLE NO: B004369 LOCATION: WELL #3 COLL DATE: 08/04/82 DELIVERED BY:
SMPL TYPE: RAW COLLECTOR: CARL PALS LAB RCVD: 10/27/82 RECEIVED BY:
SMPL PURP: 1-ROUTINE COMMENTS: LAB COMPL: LAB SUPERVISOR:
SMPL PROG: I-GWM INORG OBSRVATNS: SMPL PERIOD: 08/82 FUND CODE:

ANALYSIS ID	RSLT NO	STORET NO	DESCRIPTION	UNITS	RESULT		DRINK WTR	RAW WTR	TRIGGER LEVEL
		00095	CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C		950.000				
		00403	PH LABORATORY UNITS		7.000				
		00410	ALKALINITY,TOTAL MG/L AS CACO3		315.000				
		00610	NITROGEN,AMMONIA TOTAL MG/L AS N		0.490				
		00630	NITRATE & NITRITE TOTAL MG/L AS N		0.100	<	10.000		
		00720	CYANIDE,TOTAL MG/L AS CN		0.005	<	0.200		
		00900	HARDNESS,EDTA MG/L AS CACO3		384.000				
		00916	CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP		90.000				
		00927	MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP		32.000				
		00929	SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP		78.000				
		00937	POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP		1.600				
		00940	CHLORIDE,TOTAL MG/L AS CL		50.000				
		00945	SULFATE,TOTAL MG/L AS SO4		152.000				
		00951	FLUORIDE,TOTAL MG/L AS F		0.620		4.000		
		00956	SILICA,TOTAL MG/L AS SIO2		17.000				
		01002	ARSENIC,TOTAR RECOVERABLE UG/L AS AS		2.000		50.000		
		01007	BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP		124.000		1000.000		
		01012	BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP		0.500	<			
		01022	BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP		80.000				

FACILITY: 0490450 TEUTOPOLIS *** CONTINUED ***

01027	CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB	10.000 <	10.000
01034	CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB	5.000 <	50.000
01037	COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP	5.000 <	
01042	COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP	3.000 <	5000.000
01045	IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP	18200.000	1000.000*
01051	LEAD,TOTAL RECOVERABLE UG/L AS PB	5.000 <	50.000
01055	MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP	811.000	150.000*
01067	NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP	28.000	
01077	SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP	5.000 <	50.000
01082	STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP	213.000	
01087	VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP	4.000 <	
01092	ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP	4.000	5000.000
01147	SELENIUM,TOTAL RECOVERABLE UG/L ASSE	1.000 <	10.000
70300	RESIDUE,TOTAL FILTERABLE @180 C,MG/L	582.000	
70304	TOTAL DISSOLVED SOLIDS MG/L BY EC	570.000	
71900	MERCURY,TOTAL UG/L AS HG	0.050 <	2.000

SAMPLE NO: D75847700 LOCATION: TEUTOPOLIS WELL 3
SMPL TYPE: RAW COLLECTOR: N BORING
SMPL PURP: S-SPEC/OTHR COMMENTS: VOCS
SMPL PROG: V-VOC OBSRVATNS: 2 VOC

COLL DATE: 08/19/87 DELIVERED BY: W B
LAB RCVD: 08/20/87 RECEIVED BY: W B
LAB COMPL: 09/02/87 LAB SUPERVISOR: JTH
SMPL PERIOD: 08/87 FUND CODE: PW30

ANALYSIS ID	RSLT NO	STORET NO	DESCRIPTION	UNITS	RESULT	STANDARDS DRINK WTR	STANDARDS RAW WTR	TRIGGER LEVEL
431A 00	001	32106	CHLOROFORM UG/L GC/MS	UG/L	1.000 <			
431A 00	002	32101	BROMODICHLOROMETHANE UG/L GC/MS	UG/L	1.000 <			
431A 00	003	32105	DIBROMOCHLOROMETHANE UG/L GC/MS	UG/L	1.000 <			
431A 00	004	32104	BROMOFORM UG/L GC/MS	UG/L	1.000 <			
431A 00	005	34423	METHYLENE CHLORIDE UG/L	UG/L	1.000 <			
431A 00	006	34501	1,1-DICHLOROETHYLENE UG/L GC/MS	UG/L	1.000 <		7.000	
431A 00	007	34496	1,1-DICHLOROETHANE UG/L GC/MS	UG/L	1.000 <			
431A 00	008	34546	TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS	UG/L	1.000 <			
431A 00	009	77279	1,2-DICHLOROETHANE UG/L	UG/L	1.000 <		5.000	
431A 00	010	34506	1,1,1-TRICHLOROETHANE UG/L GC/MS	UG/L	1.000 <		200.000	
431A 00	011	32102	CARBON TETRACHLORIDE UG/L GC/MS	UG/L	1.000 <		5.000	
431A 00	012	39180	TRICHLOROETHYLENE UG/L	UG/L	1.000 <		5.000	
431A 00	013	34475	TETRACHLOROETHYLENE UG/L GC/MS	UG/L	1.000 <			
431A 00	014	34301	CHLOROBENZENE UG/L	UG/L	1.000 <			
431A 00	015	34716	DICHLOROBENZENE UG/L	UG/L	1.000 <			
431A 00	016	78124	BENZENE UG/L	UG/L	1.000 <		5.000	
431A 00	017	78131	TOLUENE UG/L	UG/L	1.000 <			
431A 00	018	78113	ETHYLBENZENE UG/L	UG/L	1.000 <			
431A 00	019	81551	XYLENE UG/L	UG/L	1.000 <			
5001200	001	72037	PUMPING RATE GPM	GAL/M	100.000			

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